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TITLE: MULTILAYERED 4-METHYL-1-PENTENE COPOLYMER FILM
AND
PROCESS FOR PRODUCING THE SAME

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ABSTRACT:

CHG DATE=20030114 STATUS=O> The 4-methyl-1-pentene copolymer multi-layer film according to the present invention is a three-layer laminate or a five-layer laminate, which comprises a layer (A) comprising 4-methyl-1-pentene, a layer (B) comprising polypropylene or polyethylene, and optionally, a layer (C) comprising an adhesive resin, said layer (A) being provided on

each surface
of the layer (B) in the three-layer laminate or being provided on
each surface
of the layer (B) through the layer (C) in the five-layer laminate,
and this
multi-layer film is uniaxially stretched in a stretch ratio of not
less than 2
times or biaxially oriented in a stretch ratio of not less than 1.5
times in
each of the machine direction and the transverse direction. The
process for
producing a 4-methyl-1-pentene copolymer multi-layer film according
to the
present invention comprises uniaxially stretching the three-layer
laminate or
the five-layer laminate in a stretch ratio of not less than 2 times,
or
comprises biaxially orienting the three-layer laminate or the five-
layer
laminate in a stretch ratio of not less than 1.5 times in each of the
machine
direction and the transverse direction. The multi-layer film of the
invention
has high rigidity and excellent releasability from a black oxidated
copper
foil, and is suitable as a release film for MLB production. In the
process for
producing a multi-layer film according to the invention, stretching
unevenness
and breaks hardly occur in the stretching operation and the
productivity is
good.